

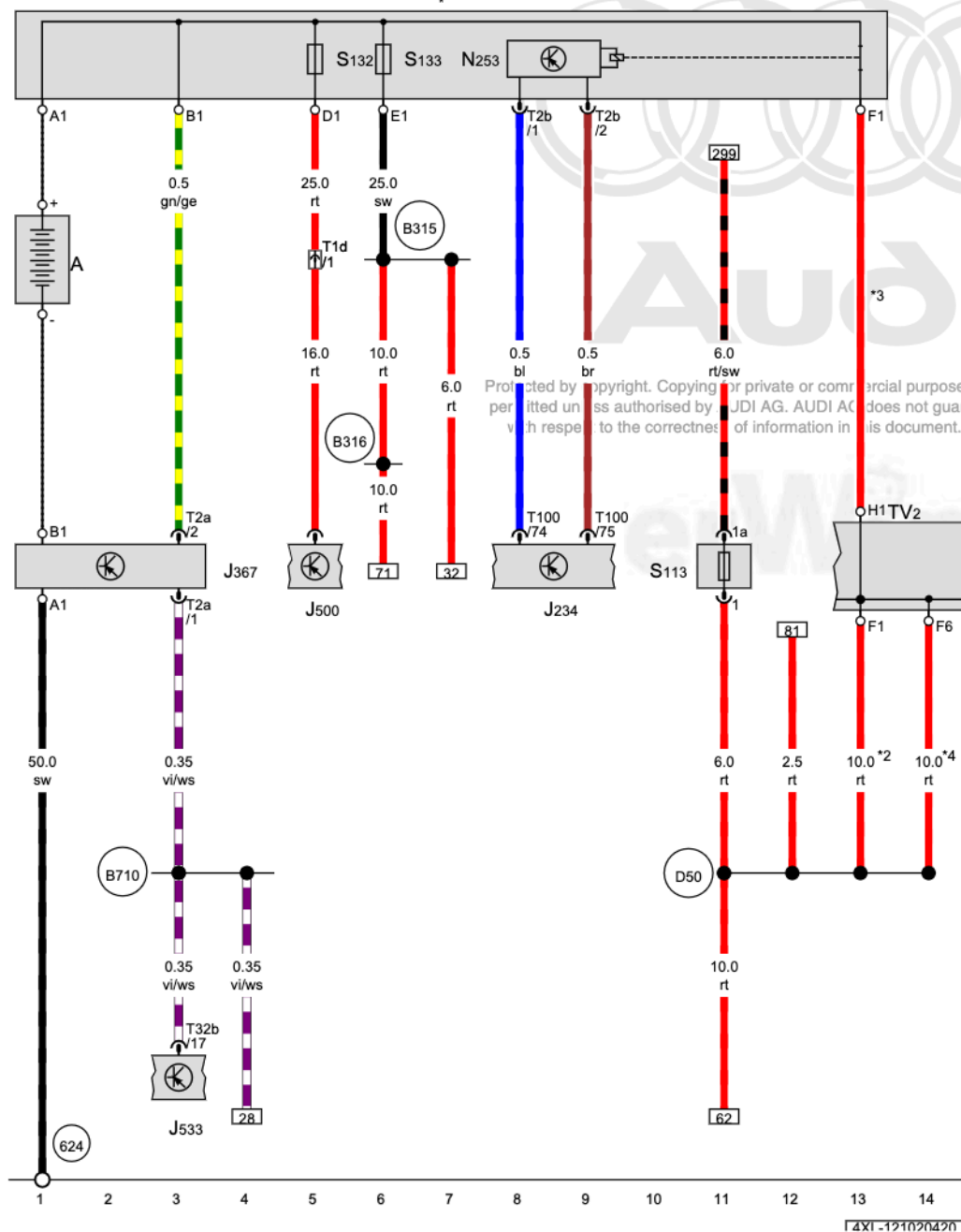
3.0L Diesel Engine , CZVA,CZVB,CZVC,CZVD,CZVF

From September 2015

**Audi**

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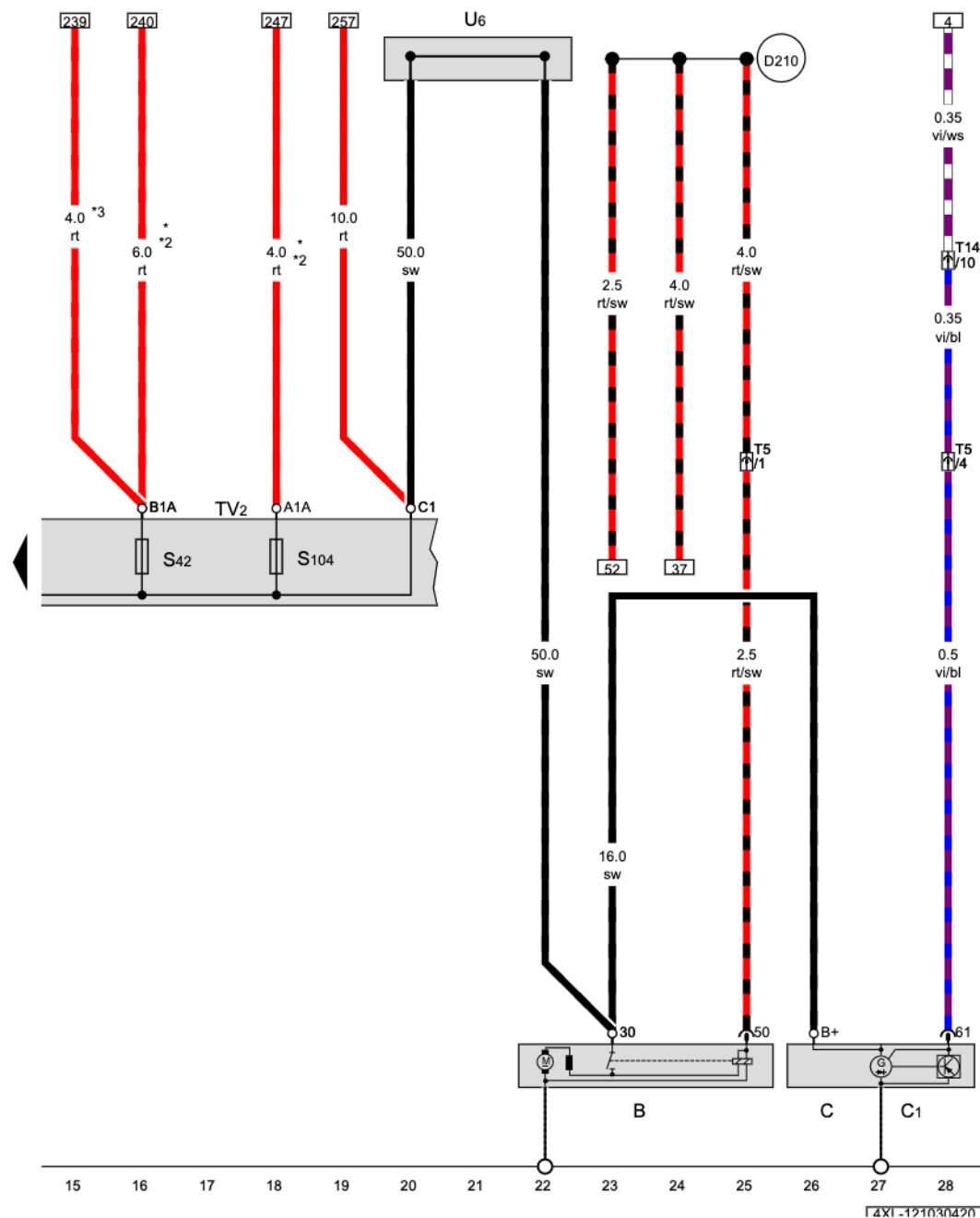
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Battery, Battery Monitoring Control Module, Data Bus on Board Diagnostic Interface, Battery Interrupt Igniter, Terminal 30 Wire Junction

- A Battery
- J234 Airbag Control Module
- J367 Battery Monitoring Control Module
- J500 Power Steering Control Module
- J533 Data Bus on Board Diagnostic Interface
- N253 Battery Interrupt Igniter, Near the Battery
- S113 Automatic Transmission Control Module Fuse
- S132 Safety Fuse 2
- S133 Safety Fuse 3
- T1d 1-Pin Connector, On the Left Front of the Vehicle Floor
- T2a 2-Pin Connector
- T2b 2-Pin Connector
- T32b 32-Pin Connector
- TV2 Terminal 30 Wire Junction, In the Center Plenum Chamber
- T100 100-Pin Connector
- 624 Ground Connection near Starter Battery
- B315 Positive Connection 1 (30a) (in Main Wiring Harness)
- B316 Positive Connection 2 (30a) (in Main Wiring Harness)
- B710 LIN Bus Connection 5 (in Main Wiring Harness)
- D50 Positive Connection (30) (in Engine/Motor Compartment Wiring Harness)
- * Main Fuse Carrier in the Right Rear Luggage Compartment, at the Battery
- *2 Omitted as a Running Change
- *3 Flat Conductor
- *4 Running Change

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Starter, Generator, Terminal 30 Wire Junction

- B Starter
- C Generator
- C1 Voltage Regulator
- S42 Radiator Fan Fuse
- S104 Radiator Fan Second Speed Fuse
- T14t 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- TV2 Terminal 30 Wire Junction, In the Center Plenum Chamber
- T5 5-Pin Connector, In the Center Plenum Chamber, Black
- U6 Battery Jump Start Terminal
- D210 Connection 50 (in Engine/Motor Compartment Wiring Harness)
- * For Vehicles with Trailer Hitch
- *2 Version for Hot Climates
- *3 For Vehicles Without Trailer Hitch

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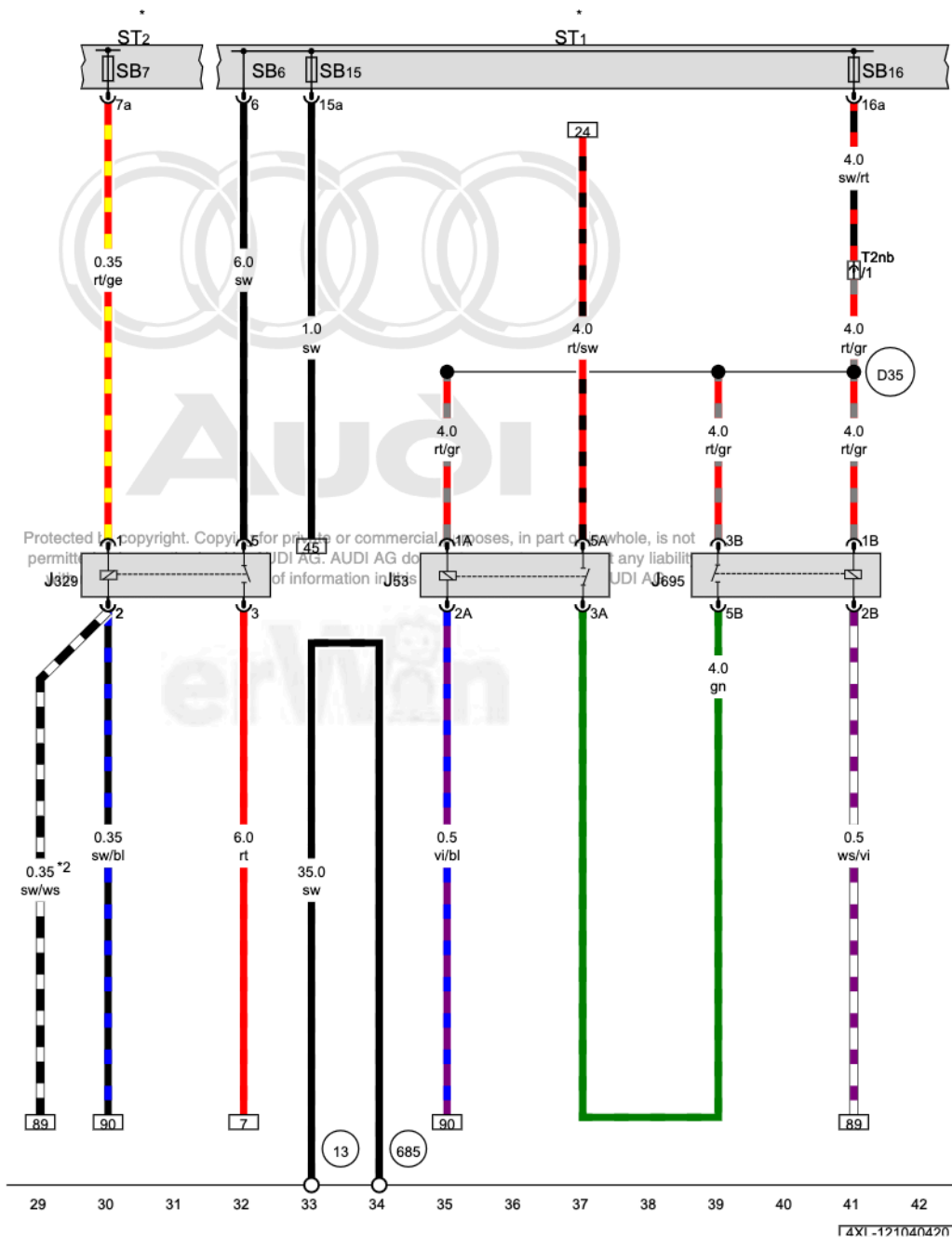
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Starter Relay, Terminal 15 Power Supply Relay, Starter Relay 2

- J53 Starter Relay
- J329 Terminal 15 Power Supply Relay
- J695 Starter Relay 2
- ST1 Fuse Panel 1
- ST2 Fuse Panel 2
- SB6 Fuse 6 (On Fuse Panel B)
- SB7 Fuse 7 (On Fuse Panel B)
- SB15 Fuse 15 (On Fuse Panel B)
- SB16 Fuse 16 (On Fuse Panel B)
- T2nb 2-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black

- 13 Ground Connection in Engine/Motor Compartment, Right
- 685 Ground Connection 1 on Right Front Longitudinal Member
- D35 Positive Connection 1 (15a) (in Engine Pre-Wiring Harness)

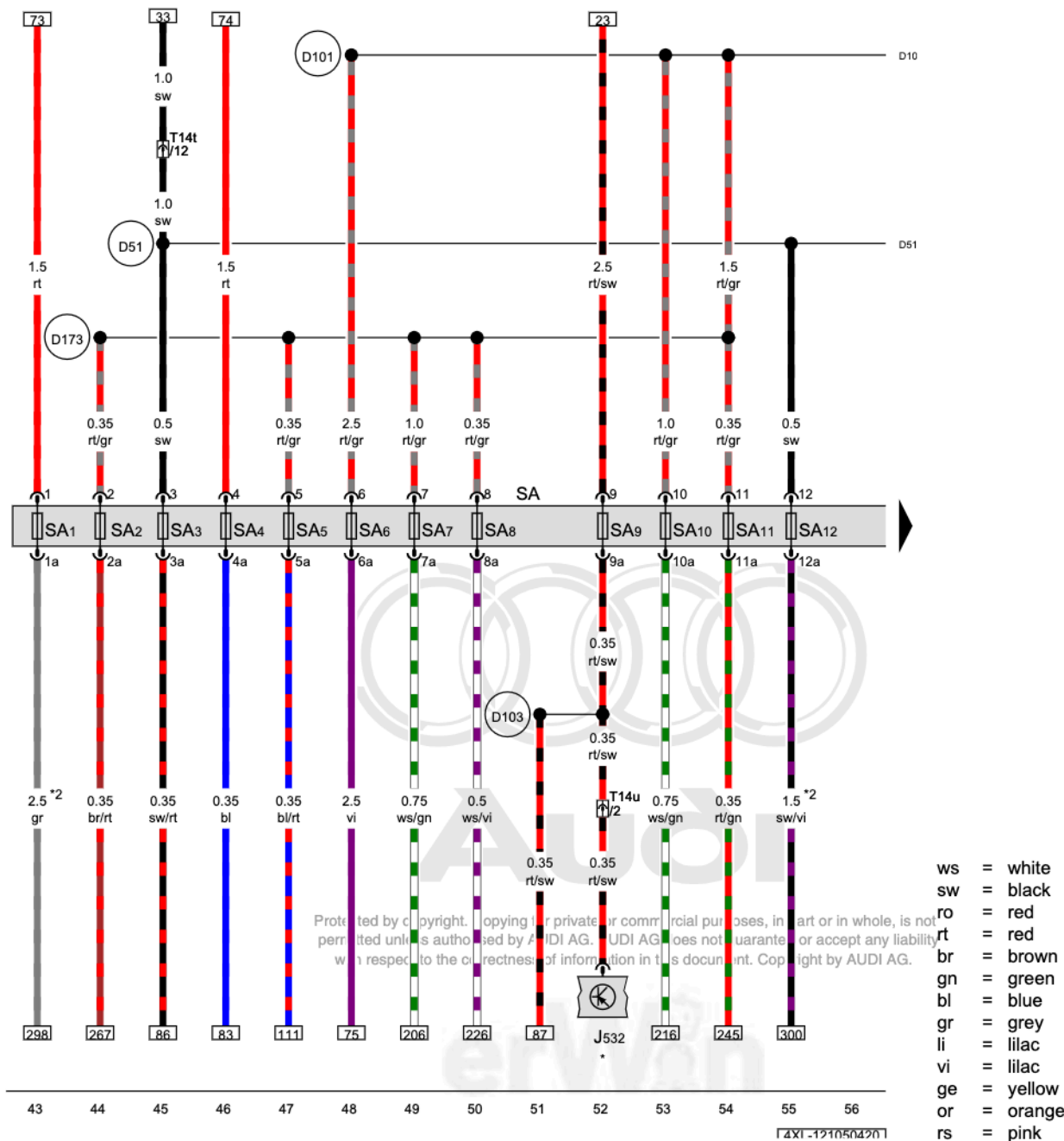
* Refer to Applicable Wiring Diagram for Fuse Positions
*2 For RHD Vehicles

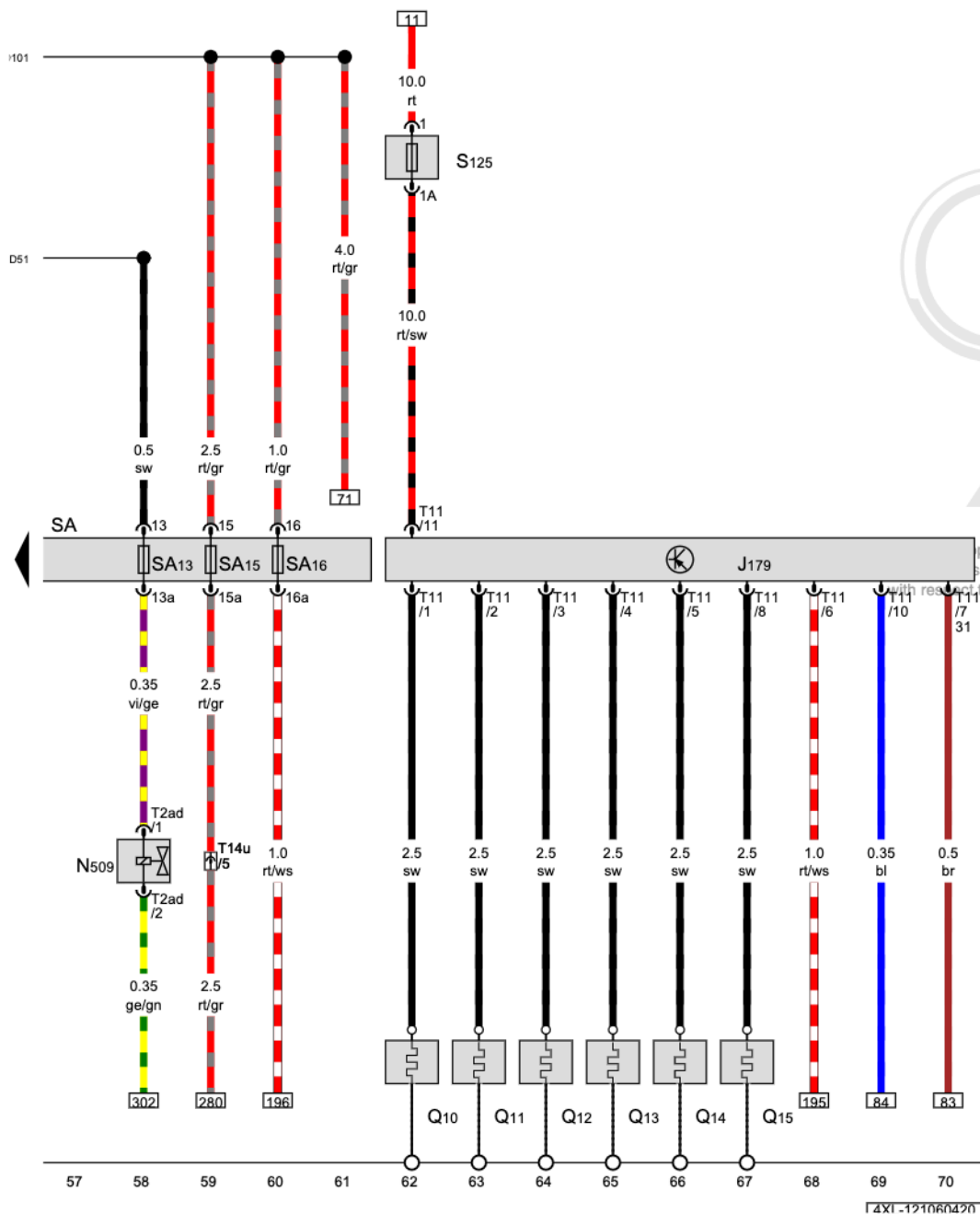


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Fuse Panel A

- J532 Voltage Stabilizer
- SA Fuse Panel A
- SA1 Fuse 1 (On Fuse Panel A)
- SA2 Fuse 2 (On Fuse Panel A)
- SA3 Fuse 3 (On Fuse Panel A)
- SA4 Fuse 4 (On Fuse Panel A)
- SA5 Fuse 5 (On Fuse Panel A)
- SA6 Fuse 6 (On Fuse Panel A)
- SA7 Fuse 7 (On Fuse Panel A)
- SA8 Fuse 8 (On Fuse Panel A)
- SA9 Fuse 9 (On Fuse Panel A)
- SA10 Fuse 10 (On Fuse Panel A)
- SA11 Fuse 11 (On Fuse Panel A)
- SA12 Fuse 12 (On Fuse Panel A)
- T14t 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- D51 Positive Connection 1 (15) (in Engine/Motor Compartment Wiring Harness)
- D101 Connection 1 (in Engine/Motor Compartment Wiring Harness)
- D103 Connection 3 (in Engine/Motor Compartment Wiring Harness)
- D173 Connection 87 (in Engine Pre-Wiring Harness)
- * For Vehicles with Start/Stop System
- *2 Diameter Depends on Equipment

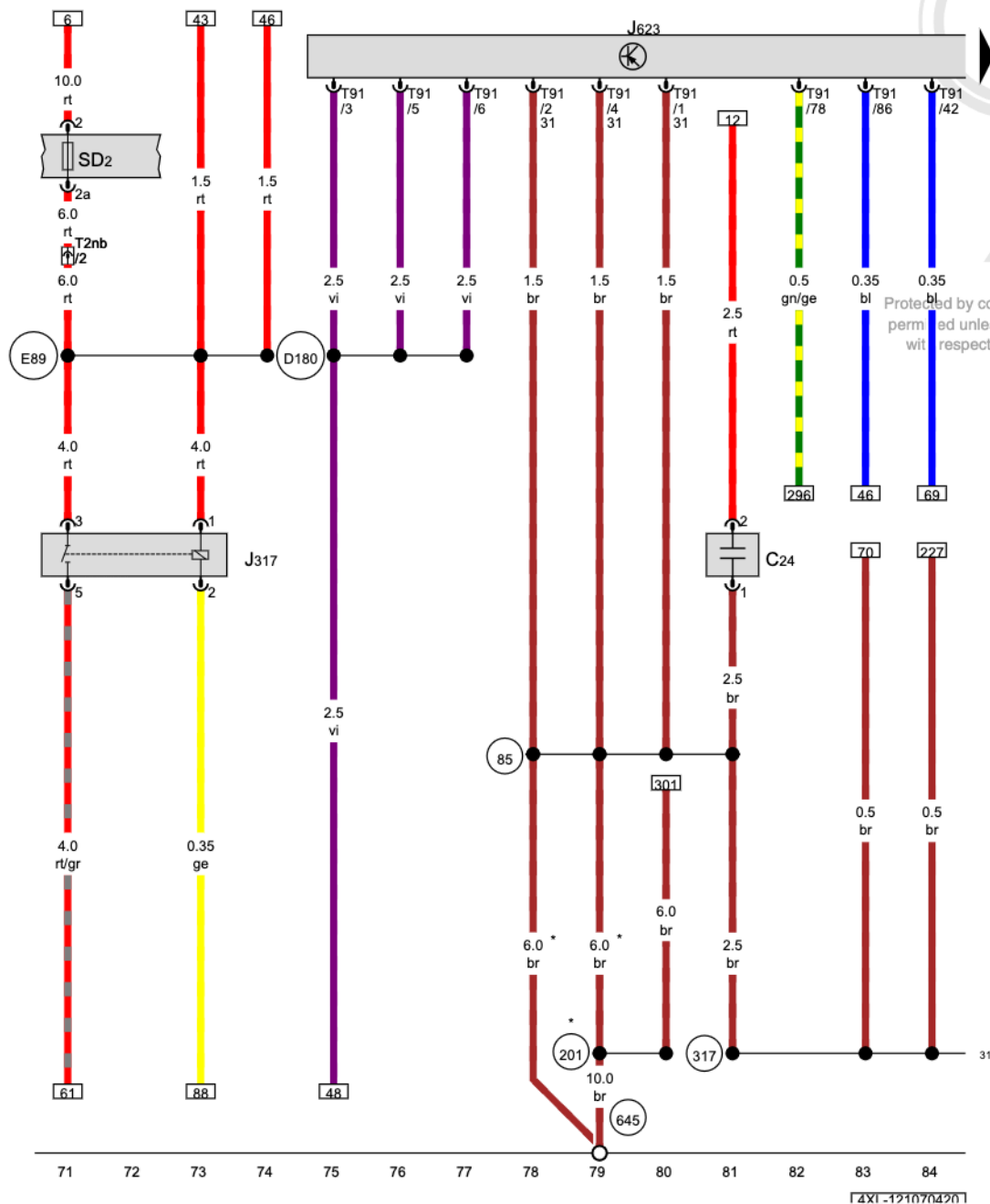




Automatic Glow Time Control Module, Transmission Fluid Cooling Valve, Fuse Panel A

- J179 Automatic Glow Time Control Module
- N509 Transmission Fluid Cooling Valve
- Q10 Glow Plug 1
- Q11 Glow Plug 2
- Q12 Glow Plug 3
- Q13 Glow Plug 4
- Q14 Glow Plug 5
- Q15 Glow Plug 6
- S125 Glow Plug Fuse
- SA Fuse Panel A
- SA13 Fuse 13 (On Fuse Panel A)
- SA15 Fuse 15 (On Fuse Panel A)
- SA16 Fuse 16 (On Fuse Panel A)
- T2ad 2-Pin Connector
- T11 11-Pin Connector, Black
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- D51 Positive Connection 1 (15) (in Engine/Motor Compartment Wiring Harness)
- D101 Connection 1 (in Engine/Motor Compartment Wiring Harness)

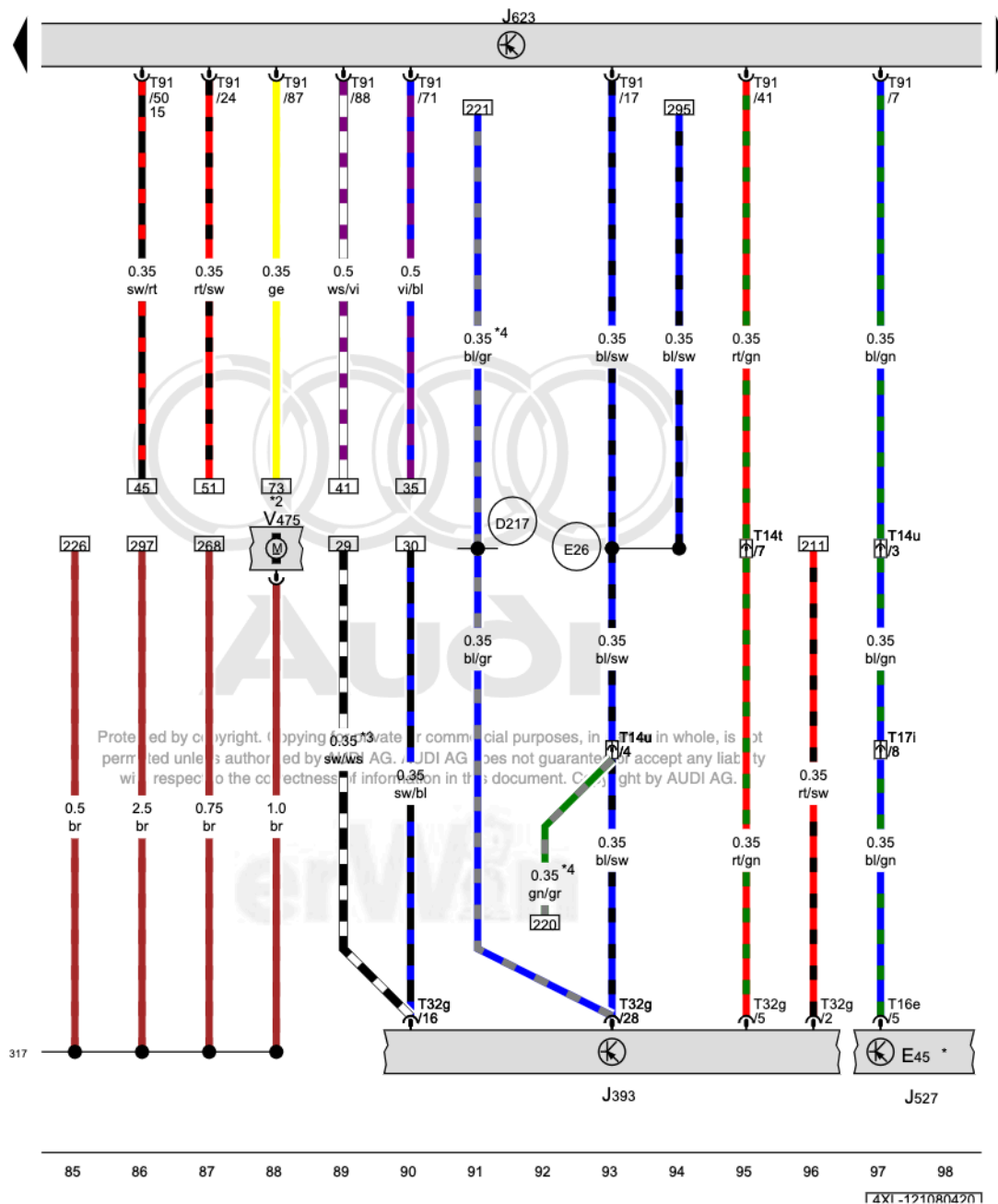
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Suppressor, Terminal 30 Power Supply Relay, Engine/Motor Control Module

- C24 Suppressor
- J317 Terminal 30 Power Supply Relay
- J623 Engine/Motor Control Module, In the Plenum Chamber
- SD2 Fuse 2 (On Fuse Panel D)
- T2nb 2-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T91 91-Pin Connector, Black
- 85 Ground Connection 1 (in Engine/Motor Compartment Wiring Harness)
- 201 Ground Connection 5 (in Engine/Motor Compartment Wiring Harness)
- 317 Ground Connection 7 (in Engine/Motor Compartment Wiring Harness)
- 645 Ground Connection 1 on Bulkhead
- D180 Connection 87A (in Engine/Motor Compartment Wiring Harness)
- E89 Positive Connection (30a) (in Engine Wiring Harness)
- * Depending on Equipment

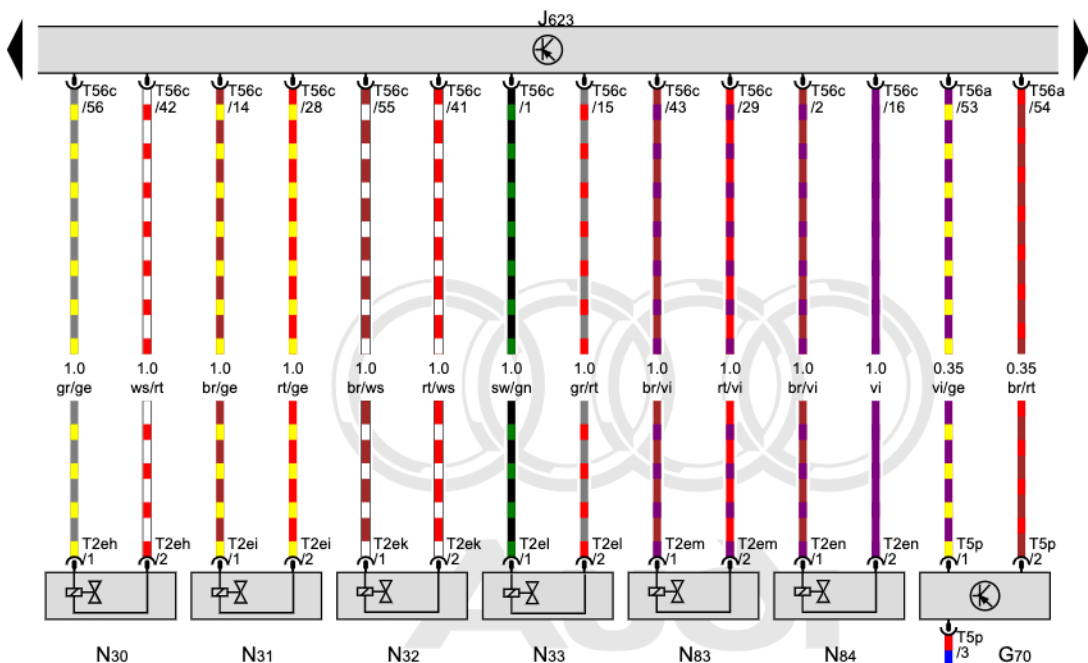
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Engine/Motor Control Module

- E45 Cruise Control Switch
- J393 Comfort System Central Control Module
- J527 Steering Column Electronics Control Module
- J623 Engine/Motor Control Module, In the Plenum Chamber
- T14t 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T16e 16-Pin Connector
- T17i 17-Pin Connector, In the Left A-Pillar Connector Station, Black
- T32g 32-Pin Connector
- T91 91-Pin Connector, Black
- V475 Transmission Fluid Auxiliary Hydraulic Pump 1
- 317 Ground Connection 7 (in Engine/Motor Compartment Wiring Harness)
- D217 Selector Lever P/N Position Connection (in Main Wiring Harness)
- E26 Selector Lever P/N Position Connection (in Motronic Multiform Fuel Injection Wiring Harness)
- * For Vehicles with Cruise Control System
- *2 Refer to Applicable Wiring Diagram for Automatic Transmission
- *3 For RHD Vehicles
- *4 For Vehicles with a Manual Transmission

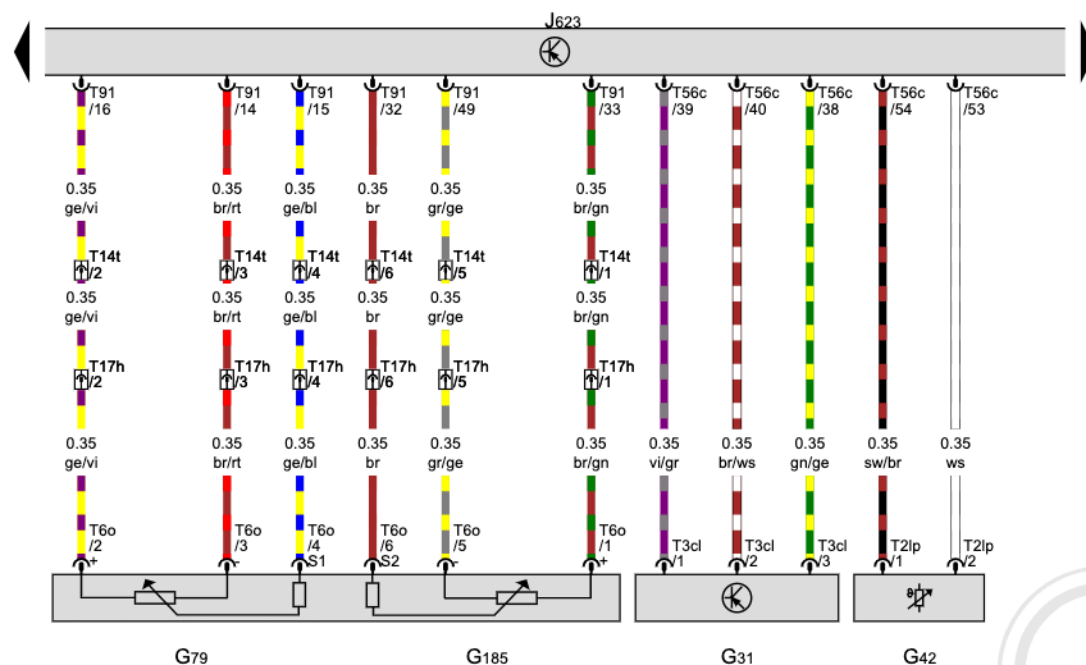
Mass Airflow Sensor, Engine/Motor Control Module,
Cylinder 1 Fuel Injector



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- G70 Mass Airflow Sensor
- J623 Engine/Motor Control Module, In the Plenum Chamber
- N30 Cylinder 1 Fuel Injector
- N31 Cylinder 2 Fuel Injector
- N32 Cylinder 3 Fuel Injector
- N33 Cylinder 4 Fuel Injector
- N83 Cylinder 5 Fuel Injector
- N84 Cylinder 6 Fuel Injector
- T2eh 2-Pin Connector, Black
- T2ei 2-Pin Connector, Black
- T2ek 2-Pin Connector, Black
- T2el 2-Pin Connector, Black
- T2em 2-Pin Connector, Black
- T2en 2-Pin Connector, Black
- T5p 5-Pin Connector, Black
- T56a 56-Pin Connector, Black
- T56c 56-Pin Connector, Black

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Charge Air Pressure Sensor, Intake Air Temperature Sensor, Accelerator Pedal Position Sensor, Engine/Motor Control Module

- G31 Charge Air Pressure Sensor
- G42 Intake Air Temperature Sensor
- G79 Accelerator Pedal Position Sensor
- G185 Accelerator Pedal Position Sensor 2
- J623 Engine/Motor Control Module, In the Plenum Chamber
- T2lp 2-Pin Connector, Black
- T3cl 3-Pin Connector, Black
- T6o 6-Pin Connector
- T14t 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T17h 17-Pin Connector, In the Left A-Pillar Connector Station, Red
- T56c 56-Pin Connector, Black
- T91 91-Pin Connector, Black

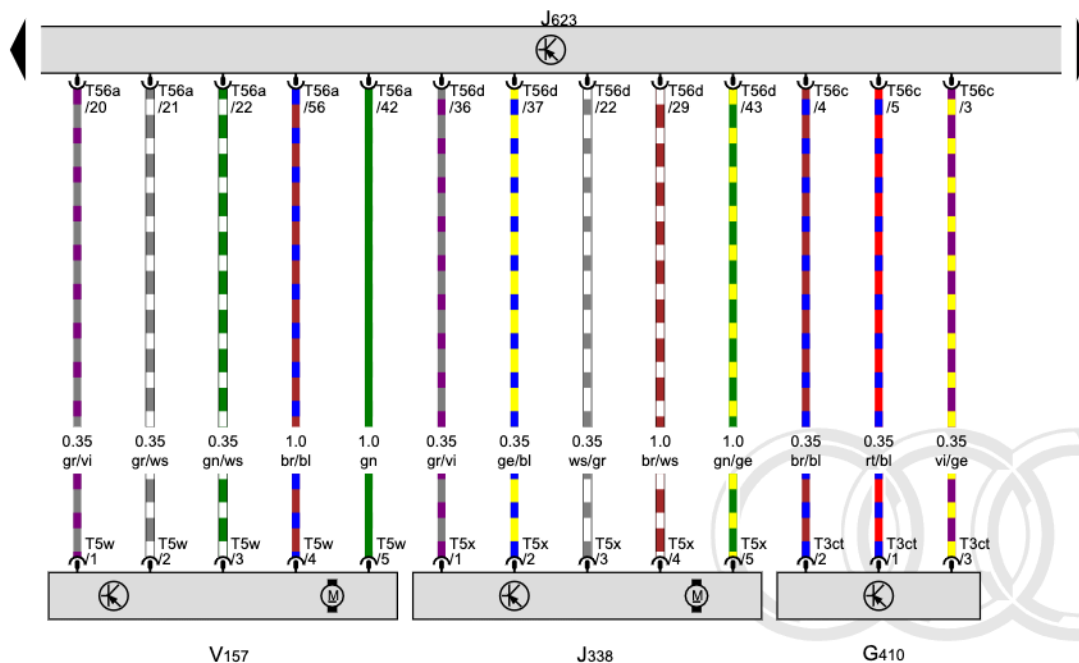


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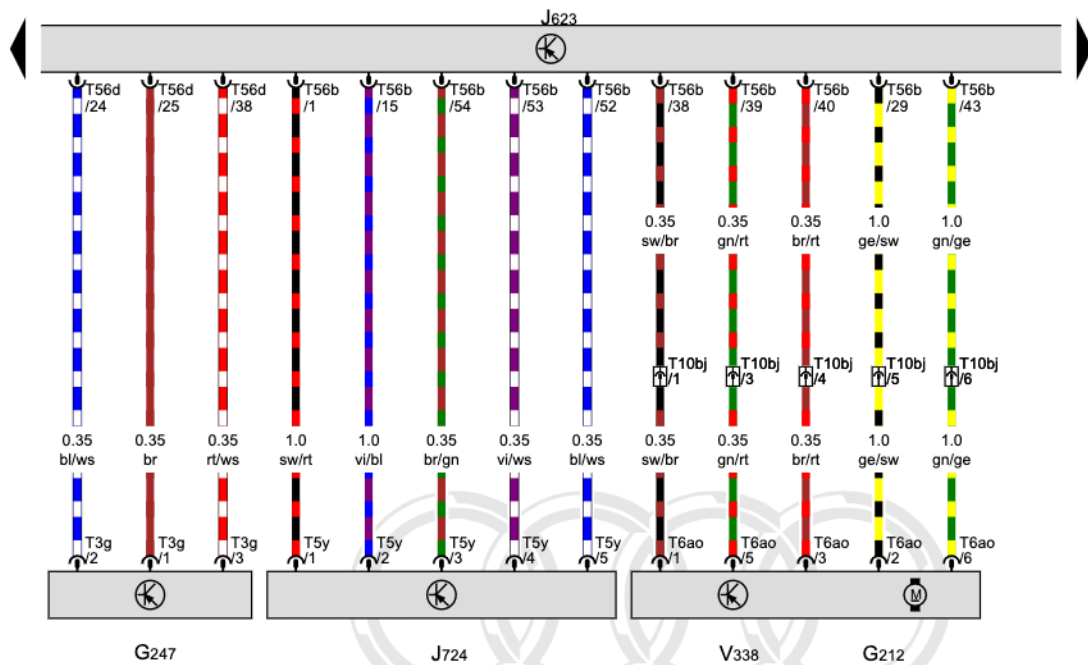
Throttle Valve Control Module, Engine/Motor Control Module

- G410 Low Fuel Pressure Sensor
- J338 Throttle Valve Control Module
- J623 Engine/Motor Control Module, In the Plenum Chamber
- T3ct 3-Pin Connector, Black
- T5w 5-Pin Connector, Black
- T5x 5-Pin Connector, Black
- T56a 56-Pin Connector, Black
- T56c 56-Pin Connector, Black
- T56d 56-Pin Connector, Black
- V157 Intake Flap Motor



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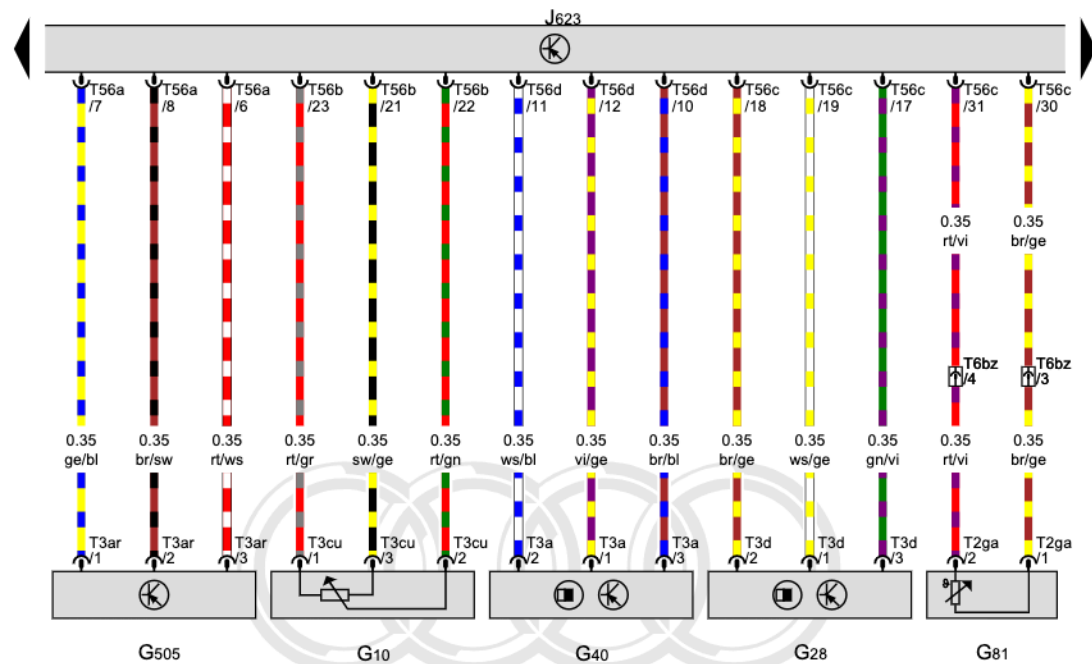


Fuel Pressure Sensor, Engine/Motor Control Module,
Turbocharger Control Module 1, EGR Motor

- | | |
|-------|---|
| G212 | EGR Potentiometer |
| G247 | Fuel Pressure Sensor |
| J623 | Engine/Motor Control Module, In the Plenum Chamber |
| J724 | Turbocharger Control Module 1 |
| T3g | 3-Pin Connector, Black |
| T5y | 5-Pin Connector, Yellow |
| T6ao | 6-Pin Connector |
| T10bj | 10-Pin Connector, In the Engine/Motor Compartment, Right, Black |
| T56b | 56-Pin Connector, Black |
| T56d | 56-Pin Connector, Black |
| V338 | EGR Motor |

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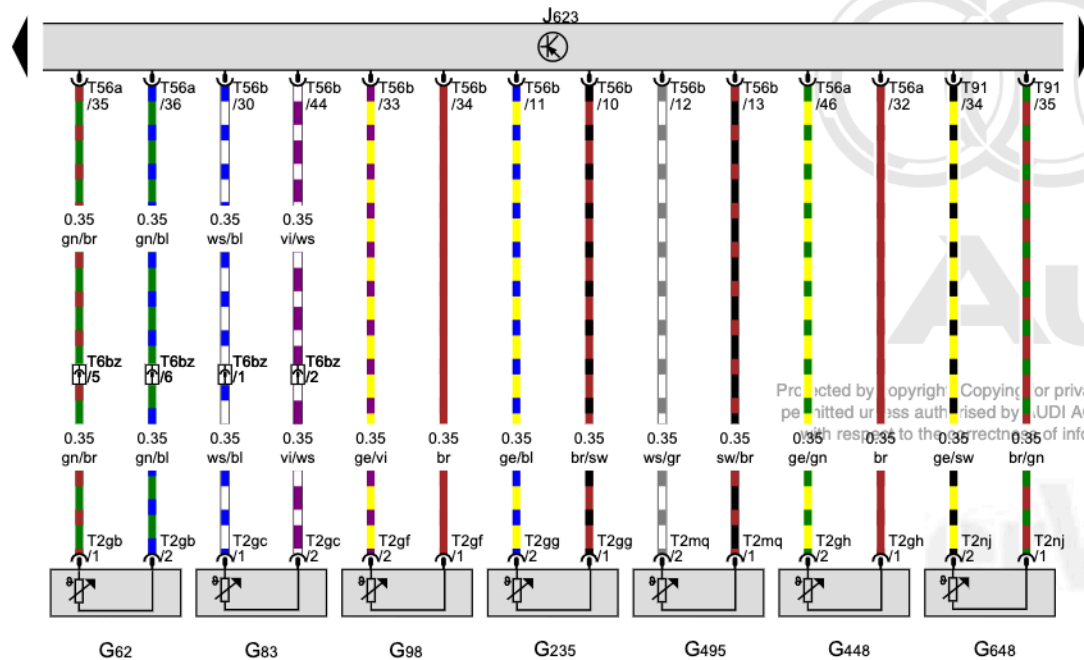


Oil Pressure Sensor, Engine Speed Sensor, Camshaft Position Sensor, Fuel Temperature Sensor, Differential Pressure Sensor, Engine/Motor Control Module

- G10 Oil Pressure Sensor
- G28 Engine Speed Sensor
- G40 Camshaft Position Sensor
- G81 Fuel Temperature Sensor
- G505 Differential Pressure Sensor
- J623 Engine/Motor Control Module, In the Plenum Chamber
- T2ga 2-Pin Connector
- T3a 3-Pin Connector, Brown
- T3ar 3-Pin Connector, Black
- T3cu 3-Pin Connector, Black
- T3d 3-Pin Connector, Black
- T6bz 6-Pin Connector, In the Engine/Motor Compartment, Right, Black
- T56a 56-Pin Connector, Black
- T56b 56-Pin Connector, Black
- T56c 56-Pin Connector, Black
- T56d 56-Pin Connector, Black

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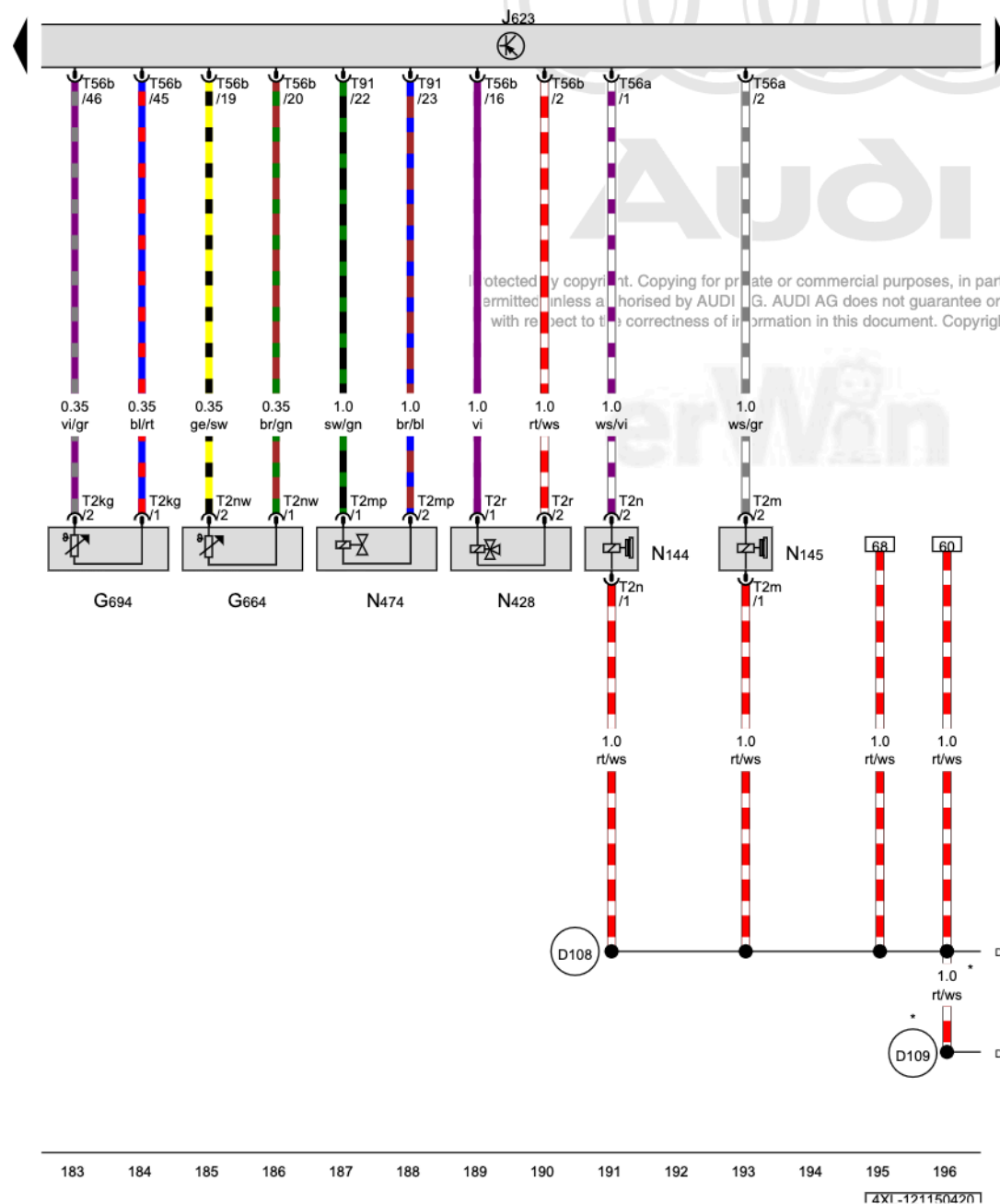
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Engine Coolant Temperature Sensor, Engine Coolant Temperature Sensor on Radiator Outlet, EGR Temperature Sensor, Exhaust Gas Temperature Sensor 1, Exhaust Gas Temperature Sensor 4, Engine/Motor Control Module

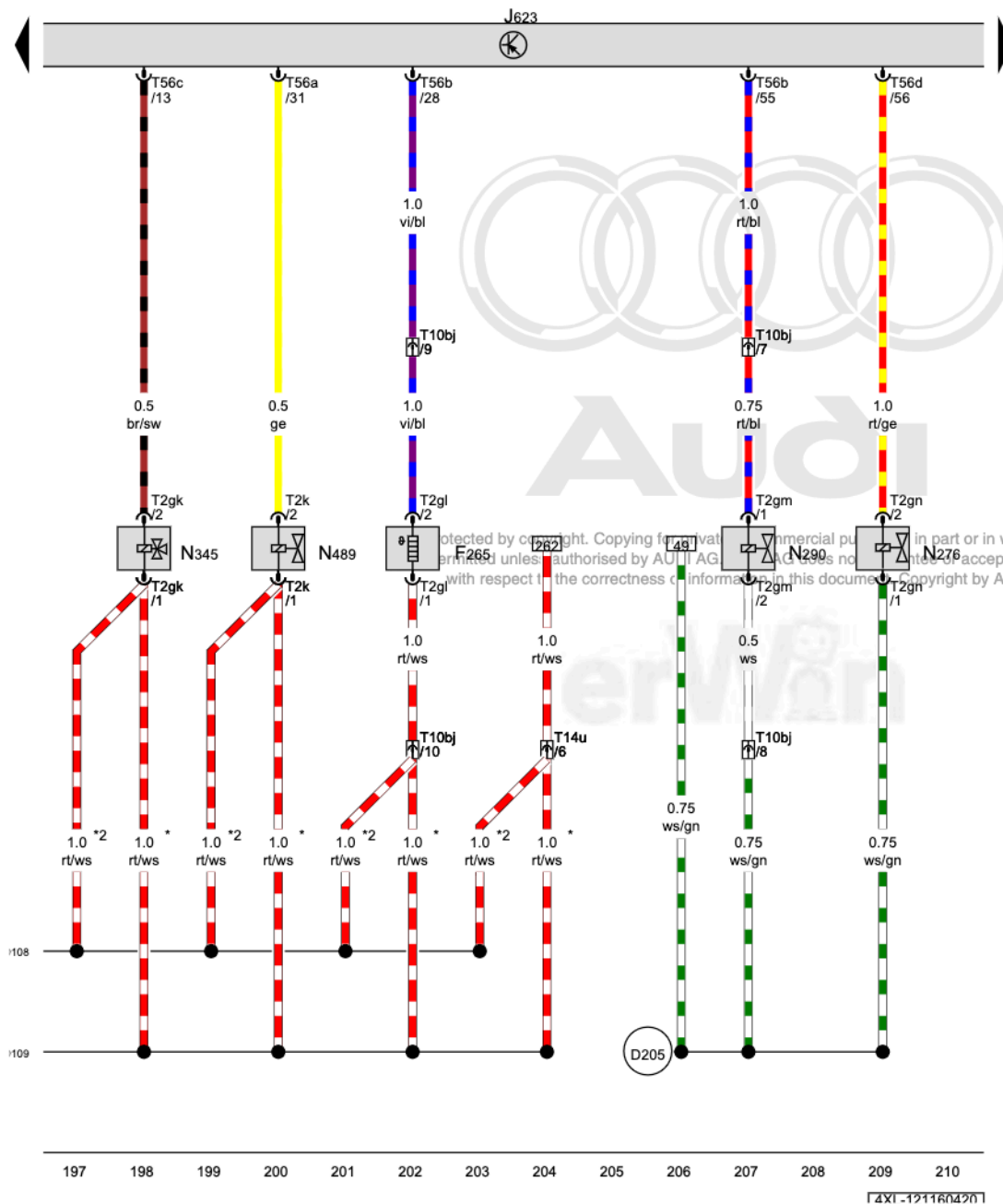
- G62 Engine Coolant Temperature Sensor
- G83 Engine Coolant Temperature Sensor on Radiator Outlet
- G98 EGR Temperature Sensor, Light Brown
- G235 Exhaust Gas Temperature Sensor 1
- G448 Exhaust Gas Temperature Sensor 2
- G495 Exhaust Gas Temperature Sensor 3
- G648 Exhaust Gas Temperature Sensor 4
- J623 Engine/Motor Control Module, In the Plenum Chamber
- T2gb 2-Pin Connector
- T2gc 2-Pin Connector
- T2gf 2-Pin Connector
- T2gg 2-Pin Connector, Black
- T2gh 2-Pin Connector, Black
- T2mq 2-Pin Connector, Brown
- T2nj 2-Pin Connector, Light Brown
- T6bz 6-Pin Connector, In the Engine/Motor Compartment, Right, Black
- T56a 56-Pin Connector, Black
- T56b 56-Pin Connector, Black
- T91 91-Pin Connector, Black

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Oil Temperature Sensor 2, Engine Temperature Control Sensor, Engine/Motor Control Module, Left Electrohydraulic Engine Mount Solenoid Valve, Oil Pressure Regulation Valve, Reducing Agent Injector

- G664 Oil Temperature Sensor 2
- G694 Engine Temperature Control Sensor
- J623 Engine/Motor Control Module, In the Plenum Chamber
- N144 Left Electrohydraulic Engine Mount Solenoid Valve
- N145 Right Electrohydraulic Engine Mount Solenoid Valve
- N428 Oil Pressure Regulation Valve
- N474 Reducing Agent Injector
- T2kg 2-Pin Connector, Yellow
- T2m 2-Pin Connector, Light Brown
- T2mp 2-Pin Connector, Black
- T2n 2-Pin Connector, Light Brown
- T2nw 2-Pin Connector, Yellow
- T2r 2-Pin Connector, Black
- T56a 56-Pin Connector, Black
- T56b 56-Pin Connector, Black
- T91 91-Pin Connector, Black
- D108 Connection 6 (in Engine/Motor Compartment Wiring Harness)
- D109 Connection 7 (in Engine/Motor Compartment Wiring Harness)
- * Omitted as a Running Change



Map Controlled Engine Cooling Thermostat, Engine/Motor Control Module, Fuel Pressure Regulator Valve, Fuel Metering Valve, EGR Cooler Switch-Over Valve, Cylinder Head Coolant Valve

- F265 Map Controlled Engine Cooling Thermostat
- J623 Engine/Motor Control Module, In the Plenum Chamber
- N276 Fuel Pressure Regulator Valve
- N290 Fuel Metering Valve
- N345 EGR Cooler Switch-Over Valve
- N489 Cylinder Head Coolant Valve
- T2gk 2-Pin Connector, Black
- T2gl 2-Pin Connector
- T2gm 2-Pin Connector
- T2gn 2-Pin Connector, Black
- T2k 2-Pin Connector, Black
- T10bj 10-Pin Connector, In the Engine/Motor Compartment, Right, Black
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T56a 56-Pin Connector, Black
- T56b 56-Pin Connector, Black
- T56c 56-Pin Connector, Black
- T56d 56-Pin Connector, Black

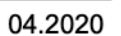
D108 Connection 6 (in Engine/Motor Compartment Wiring Harness)

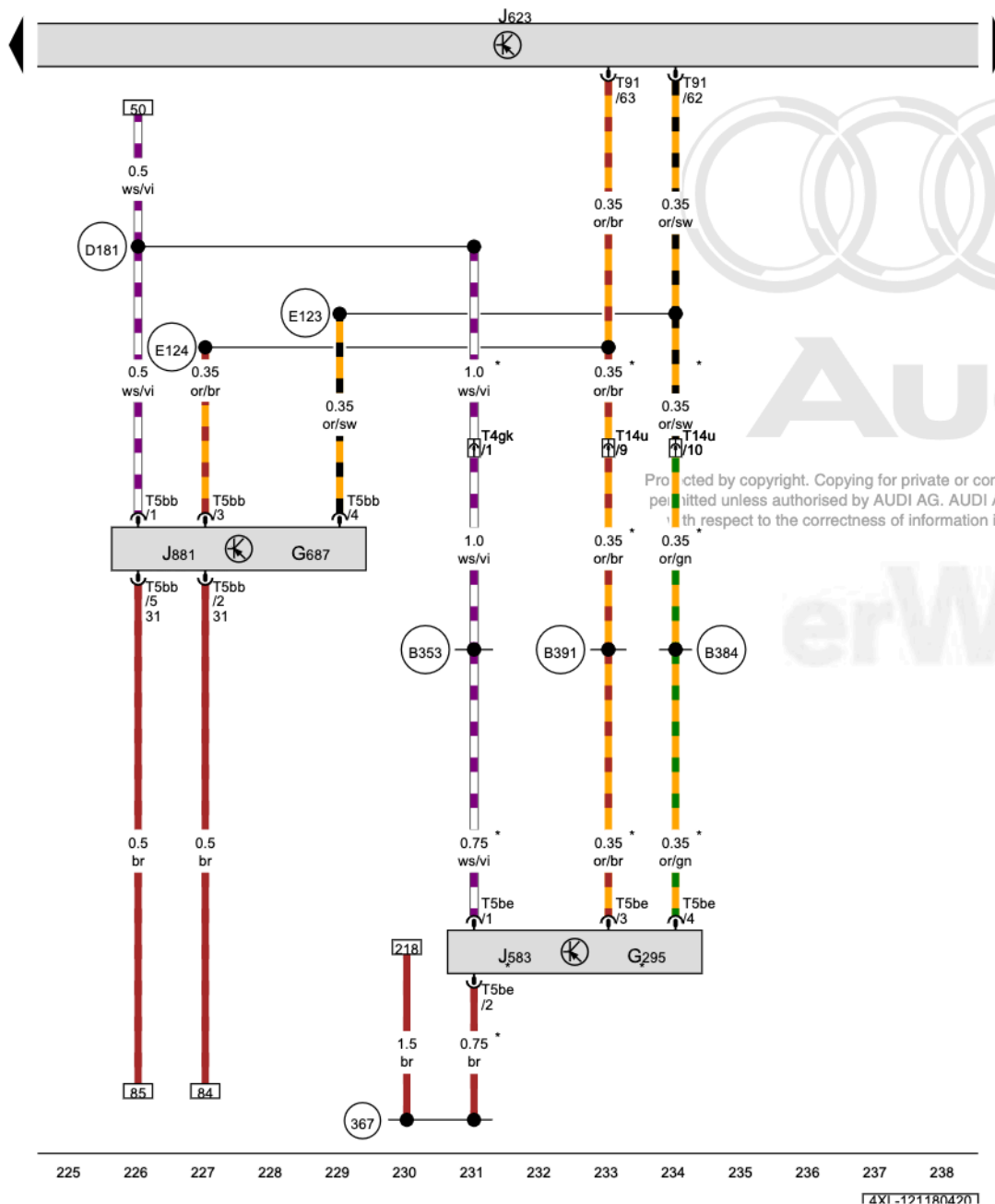
D109 Connection 7 (in Engine/Motor Compartment Wiring Harness)

D205 Connection 87A (in Engine Pre-Wiring Harness) 3

- * Omitted as a Running Change
- *2 Running Change

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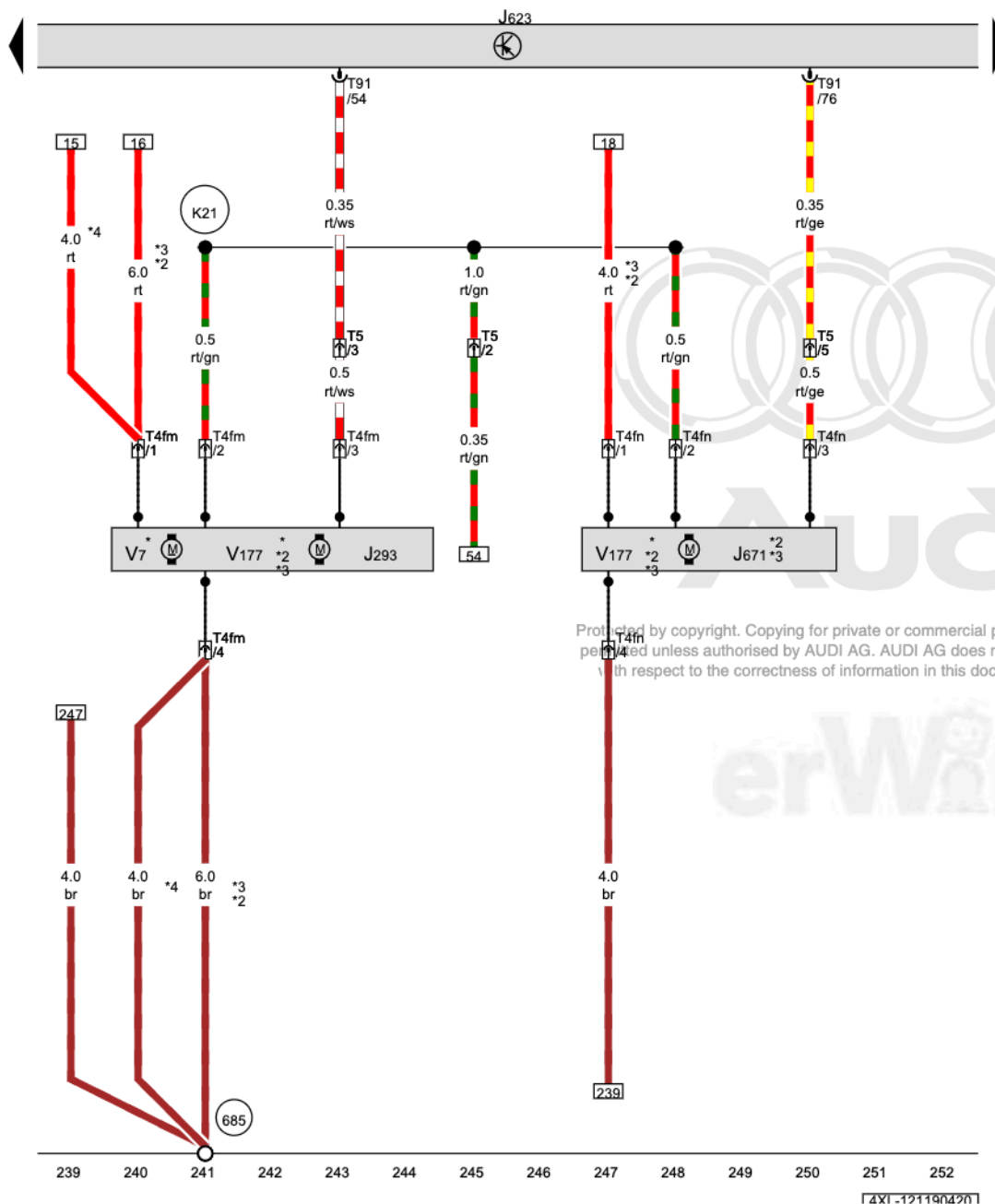


NOx Sensor Control Module, Engine/Motor Control Module, NOx Sensor Control Module 2

- G295 NOx Sensor
- G687 NOx Sensor 2
- J583 NOx Sensor Control Module
- J623 Engine/Motor Control Module, In the Plenum Chamber
- J881 NOx Sensor Control Module 2
- T4gk 4-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T5bb 5-Pin Connector, Black
- T5be 5-Pin Connector, Black
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T91 91-Pin Connector, Black
- 367 Ground Connection 2 (in Main Wiring Harness)
- B353 Positive Connection 4 (87a) (in Main Wiring Harness)
- B384 Powertrain CAN Bus High Connection 2 (in Main Wiring Harness)
- B391 Powertrain CAN Bus Low Connection 2 (in Main Wiring Harness)
- D181 Connection 2 (87A) (in Engine/Motor Compartment Wiring Harness)
- E123 CAN Bus Drive High Connection 1 (in Engine Wiring Harness)
- E124 CAN Bus Drive Low Connection 1 (in Engine Wiring Harness)

* Depending on Equipment

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Radiator Fan Control Module, Engine/Motor Control Module, Radiator Fan Control Module 2

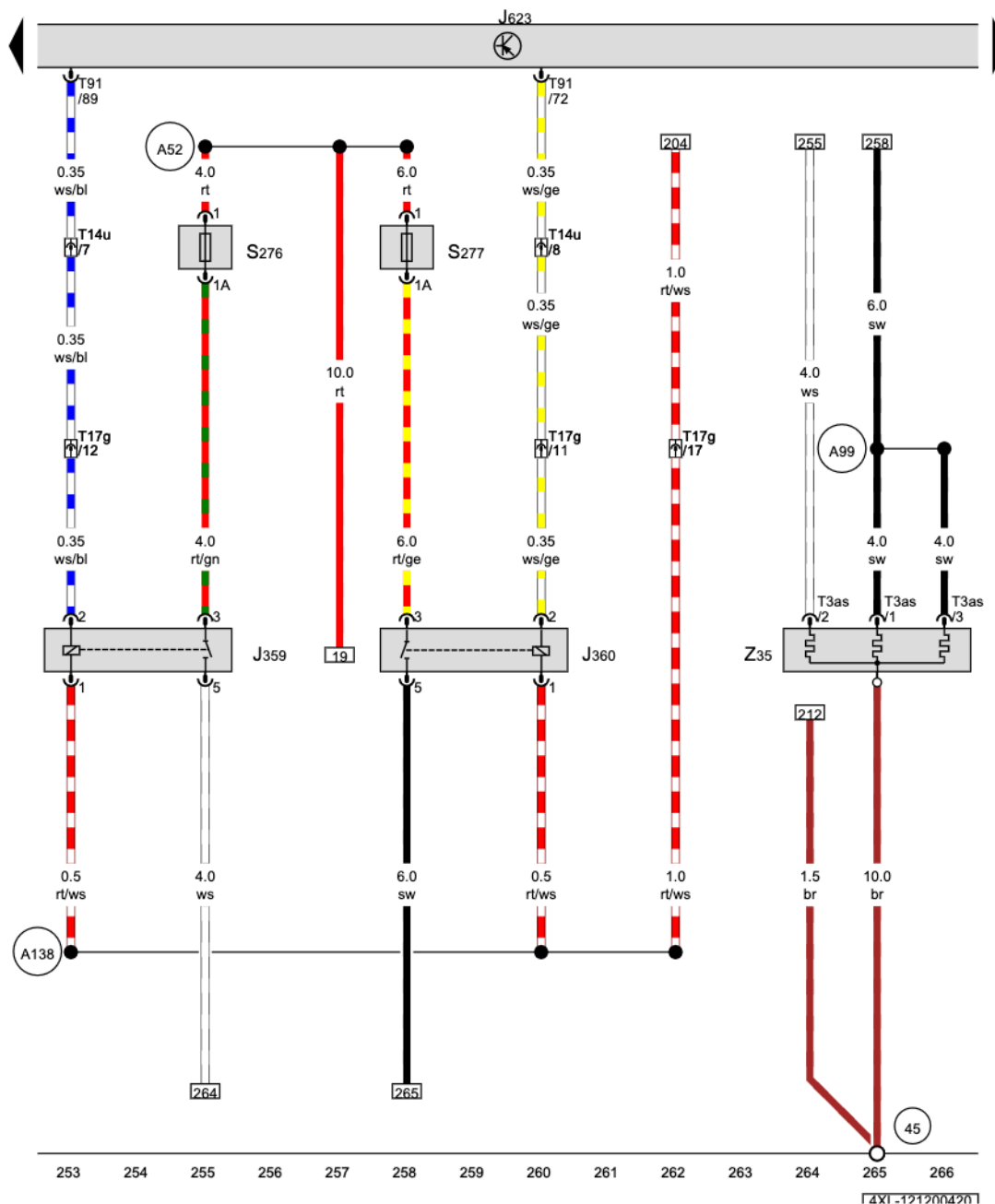
- J293 Radiator Fan Control Module
- J623 Engine/Motor Control Module, In the Plenum Chamber
- J671 Radiator Fan Control Module 2
- T4fm 4-Pin Connector, Near the Radiator Fan
- T4fn 4-Pin Connector, Near the Radiator Fan
- T5 5-Pin Connector, In the Center Plenum Chamber, Black
- T91 91-Pin Connector, Black
- V7 Radiator Fan
- V177 Radiator Fan 2

685 Ground Connection 1 on Right Front Longitudinal Member

K21 Connection 1 (in Radiator Fan Wiring Harness)

- * Pre-Wired Component
- *2 Version for Hot Climates
- *3 For Vehicles with Trailer Hitch
- *4 For Vehicles Without Trailer Hitch

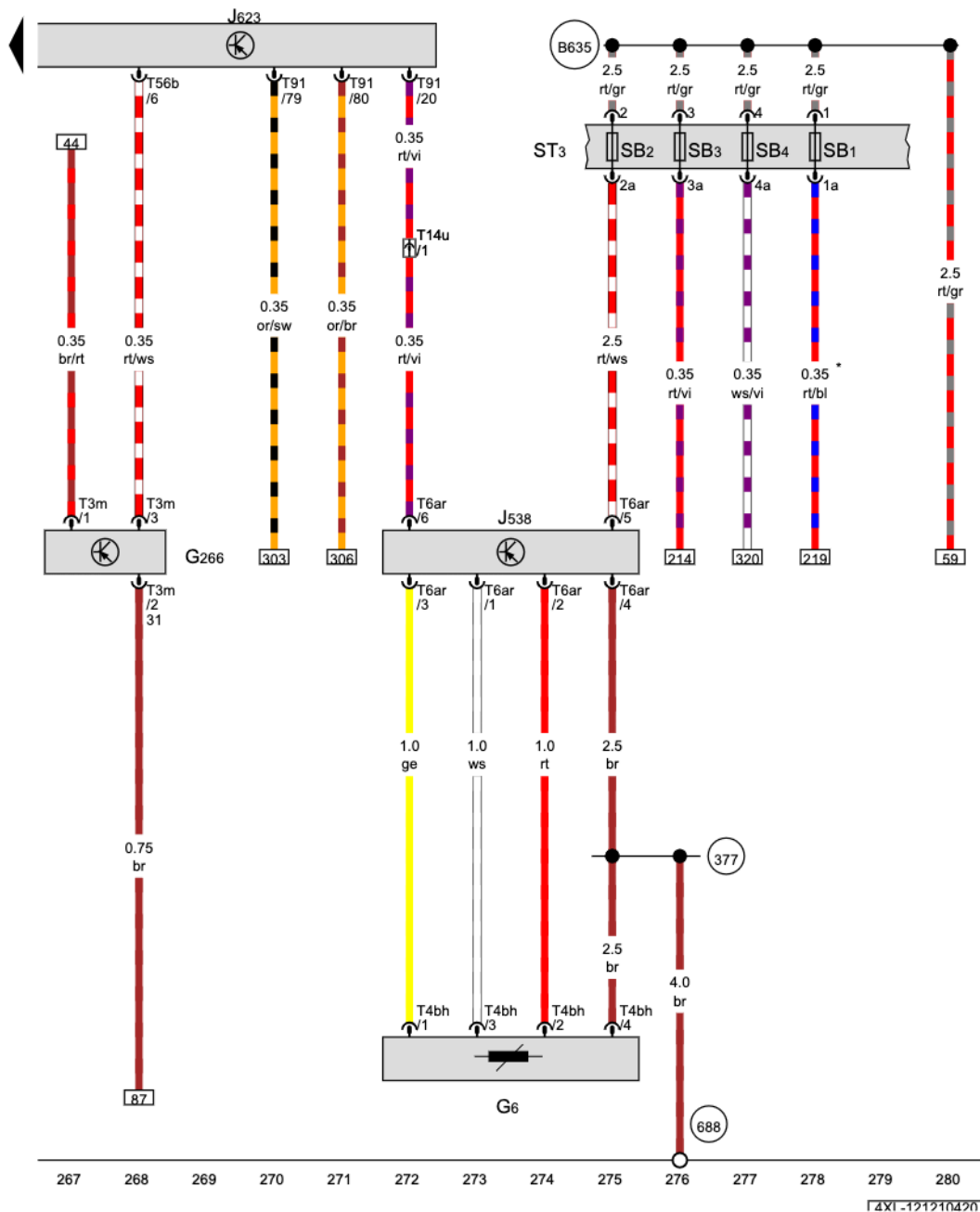
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Low Heat Output Relay, High Heat Output Relay, Engine/Motor Control Module, Auxiliary Heater Heating Element

- J359 Low Heat Output Relay
- J360 High Heat Output Relay
- J623 Engine/Motor Control Module, In the Plenum Chamber
- S276 Heating Element Fuse 1
- S277 Heating Element Fuse 2
- T3as 3-Pin Connector
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T17g 17-Pin Connector, In the Left A-Pillar Connector Station, Blue
- T91 91-Pin Connector, Black
- Z35 Auxiliary Heater Heating Element
- 45 Ground Connection Behind Instrument Panel, Center
- A52 Positive Connection 2 (30) (in Instrument Panel Wiring Harness)
- A99 Connection 87 (in Instrument Panel Wiring Harness) 1
- A138 Connection 2 (in Instrument Panel Wiring Harness)

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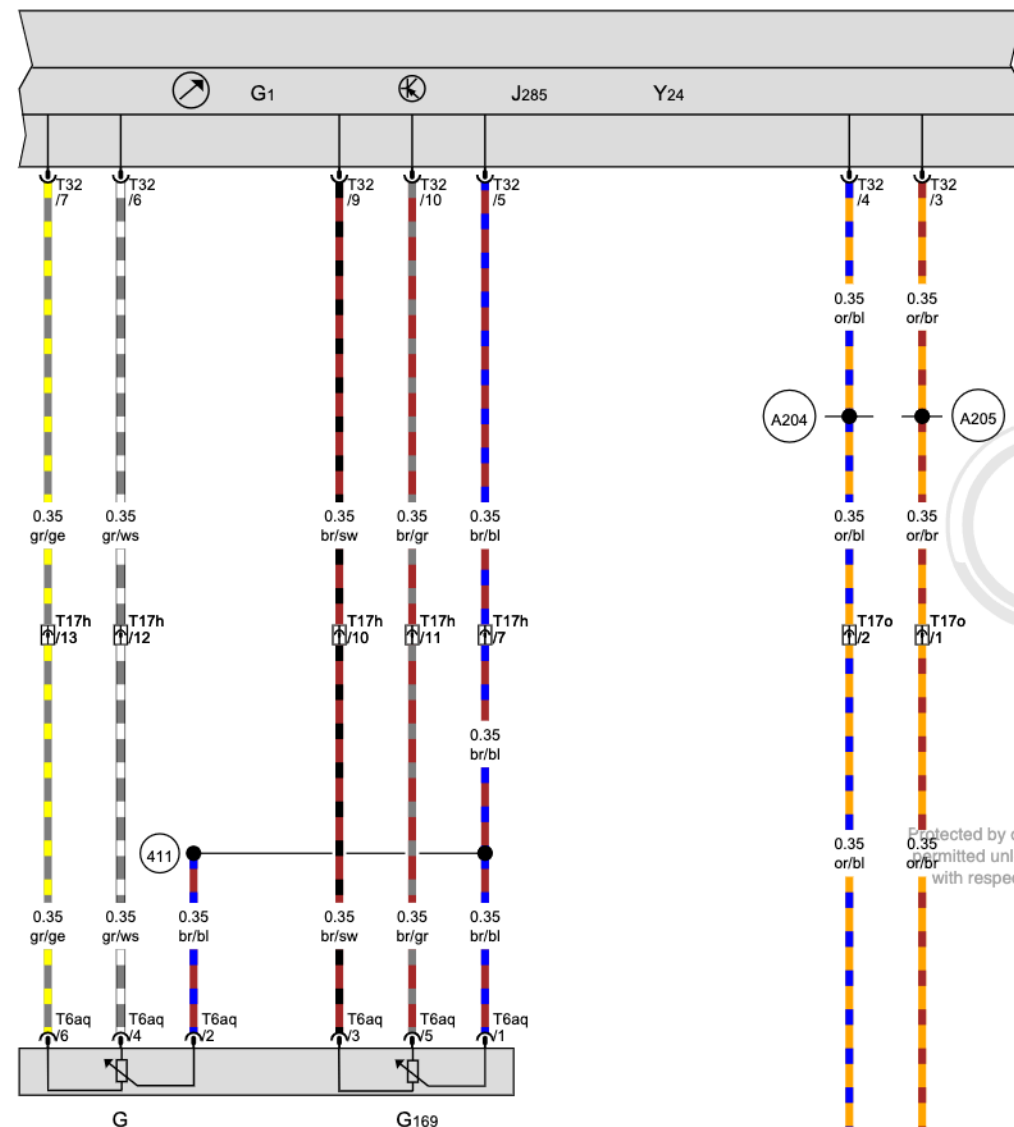


Transfer Fuel Pump, Oil Level Thermal Sensor, Fuel Pump Control Module, Engine/Motor Control Module

- G6 Transfer Fuel Pump
- G266 Oil Level Thermal Sensor
- J538 Fuel Pump Control Module
- J623 Engine/Motor Control Module, In the Plenum Chamber
- SB1 Fuse 1 (On Fuse Panel B)
- SB2 Fuse 2 (On Fuse Panel B)
- ST3 Fuse Panel 3
- SB3 Fuse 3 (On Fuse Panel B)
- SB4 Fuse 4 (On Fuse Panel B)
- T3m 3-Pin Connector, Black
- T4bh 4-Pin Connector
- T6ar 6-Pin Connector
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T56b 56-Pin Connector, Black
- T91 91-Pin Connector, Black
- 377 Ground Connection 12 (in Main Wiring Harness)
- 688 Ground Connection 2 on Center Tunnel
- B635 Positive Connection 3 (87) (in Main Wiring Harness)
- * For Vehicles with a Manual Transmission

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Fuel Gauge, Fuel Level Sensor 2, Instrument Cluster Control Module



- G Fuel Level Sensor
- G1 Fuel Gauge
- G169 Fuel Level Sensor 2
- J285 Instrument Cluster Control Module
- T6aq 6-Pin Connector
- T17h 17-Pin Connector, In the Left A-Pillar Connector Station, Red
- T17o 17-Pin Connector, In the Connector Station, Right A-Pillar, Black
- T32 32-Pin Connector
- Y24 Display Unit in Instrument Cluster

- 411 Sensor Ground Connection 2 (in Main Wiring Harness)
- A204 Instrument Cluster CAN Bus High Connection (in Instrument Panel Wiring Harness)
- A205 Instrument Cluster CAN Bus Low Connection (in Instrument Panel Wiring Harness)
- B708 Instrument Cluster CAN Bus High Connection 1 (in Main Wiring Harness)
- B709 Instrument Cluster CAN Bus Low Connection 1 (in Main Wiring Harness)
- * Refer to Applicable Wiring Diagram for Data Bus Networking

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

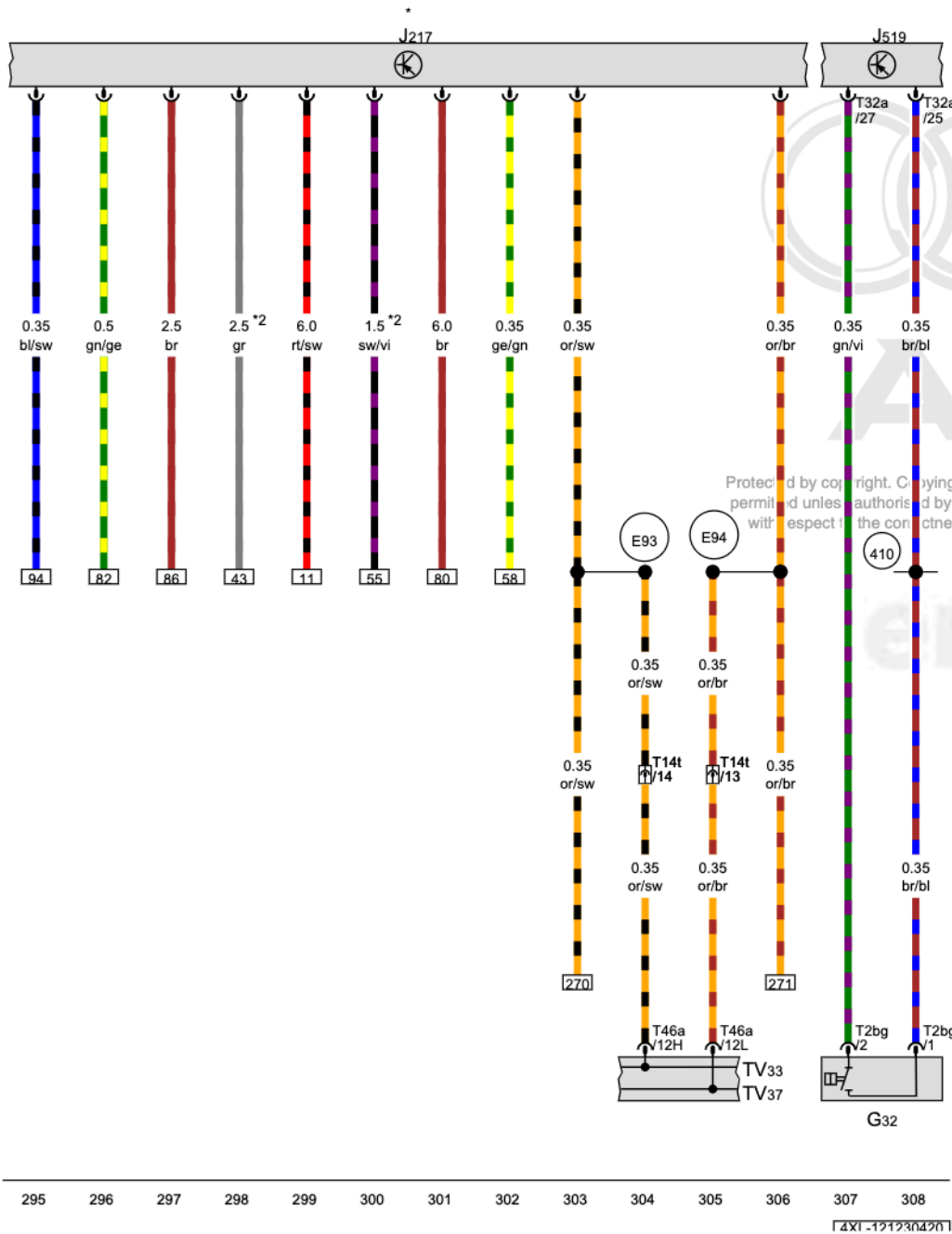
281 282 283 284 285 286 287 288 289 290 291 292 293 294

Engine Coolant Level Sensor, Vehicle Electrical System Control Module, Powertrain CAN Bus High Wire Junction

- G32 Engine Coolant Level Sensor
- J217 Transmission Control Module
- J519 Vehicle Electrical System Control Module
- T2bg 2-Pin Connector
- T14t 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T32a 32-Pin Connector
- T46a 46-Pin Connector
- TV33 Powertrain CAN Bus High Wire Junction
- TV37 Powertrain CAN Bus Low Wire Junction

- 410 Sensor Ground Connection 1 (in Main Wiring Harness)
- E93 CAN Bus High Connection 1 (in Engine Wiring Harness)
- E94 CAN Bus Low Connection 1 (in Engine Wiring Harness)

Refer to Applicable Wiring Diagram for Automatic Transmission Diameter Depends on Equipment



Reducing Agent Metering System Control Module, Reducing Agent Metering System Relay, Reducing Agent Line Heater (Heating Circuit 2)

- J880 Reducing Agent Metering System Control Module
- J963 Reducing Agent Metering System Relay
- ST2 Fuse Panel 2
- SF3 Fuse 3 (On Fuse Panel F)
- SF4 Fuse 4 (On Fuse Panel F)
- T2ns 2-Pin Connector
- T8an 8-Pin Connector, Black
- T28a 28-Pin Connector, Black
- Z104 Reducing Agent Line Heater (Heating Circuit 2)

34 Ground Connection Under Driver Seat

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371 Ground Connection 6 (in Main Wiring Harness)

374 Ground Connection 9 (in Main Wiring Harness)

376 Ground Connection 11 (in Main Wiring Harness)

688 Ground Connection 2 on Center Tunnel

B298 Positive Connection 2 (30) (in Main Wiring Harness)

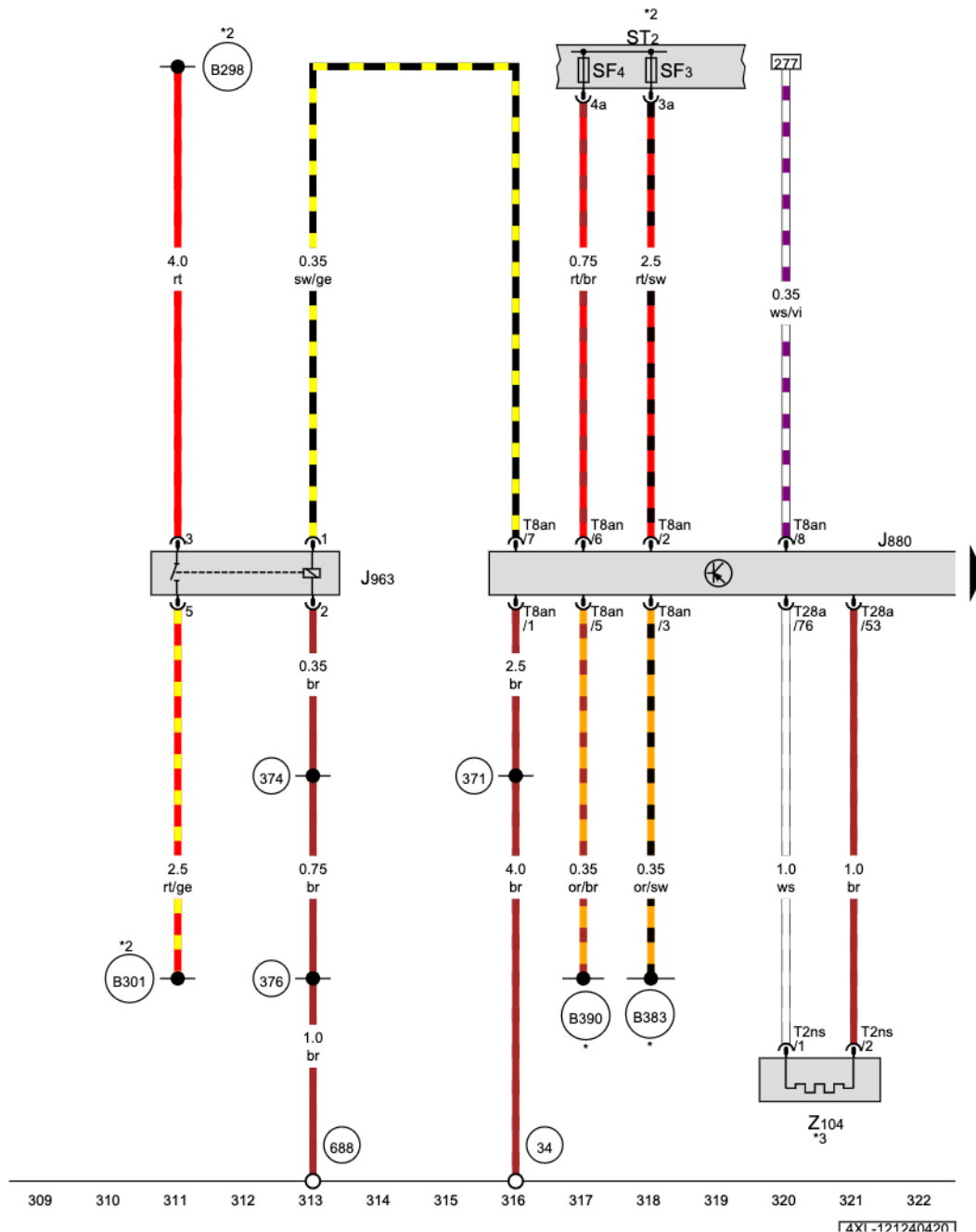
B301 Positive Connection 5 (30) (in Main Wiring Harness)

B383 Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)

B390 Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)

- * Refer to Applicable Wiring Diagram for Data Bus Networking
- *2 Refer to Applicable Wiring Diagram for Fuse Positions
- *3 Reducing Agent Line Heater May Contain Multiple Segments

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink



Reducing Agent Tank Sensor, Reducing Agent Temperature Sensor, Reducing Agent Metering System Pressure Sensor, Reducing Agent Metering System Control Module, Reducing Agent Pump, Reducing Agent Tank Heater (Heating Circuit 1)

- G684 Reducing Agent Tank Sensor
- G685 Reducing Agent Temperature Sensor
- G686 Reducing Agent Metering System Pressure Sensor
- J880 Reducing Agent Metering System Control Module
- T16u 16-Pin Connector
- T28a 28-Pin Connector, Black
- V437 Reducing Agent Pump
- Z102 Reducing Agent Tank Heater (Heating Circuit 1)

